

**DART**

DESIGN <i>HP</i>	DRAWN BY <i>CP</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		
CHECKED <i>HP</i>	APPROVED <i>HP</i>	DRAWING NO. DSI 9277	REV. A SHEET 1 OF 1	
DATE 04.03.23		TITLE BASKET WEIGHT REDUCTION MOD	SCALE NTS	
A	04.03.23	NEW ISSUE		

## **DART SERVICE INSTRUCTION**

TO AMEND INSTALLATION INSTRUCTIONS IIN-D130-701 REV. B

REF. CANADIAN STC: SH94-14

REF FAA STC: SR00213NY

It is acceptable to lighten the D130-701-041 Heli-Utility-Basket Installation by removing 12" from each end as follows:

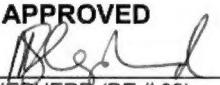
- 1) Remove D130-701-041 Heli-Utility-Basket from aircraft.
- 2) Separate lid & base.
- 3) Cut off end frames from both the lid & base (do not remove hinge plates).
- 4) Mark 12" cut lines from each end on both lid & base and cut through frames & mesh.
- 5) Re-weld base end frames to base per MIL-STD-2219 / AMS-STD-2219.
- 6) Position lid end frames by attaching them to base using AN4-7A bolts & associated hardware. Re-weld lid end frames to lid per MIL-STD-2219 / AMS-STD-2219.
- 7) Tack weld mesh to re-welded frame.
- 8) Touch-up paint.
- 9) Re-install D2332-041 Prop Assembly.
- 10) Identify modified basket as D130-701-043 Heli-Utility-Basket and install on aircraft per Installation Instructions IIN-D130-701.

**Weight and Balance** for the modified basket is as follows:

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D130-701-043 (LH installation)	102 lb 46 kg	- 47.4 in - 1.20 m	- 4835 in-lb - 55.2 m-kg	133.9 in 3.40 m	13658 in-lb 156.4 m-kg
D130-701-043 (RH installation)	102 lb 46 kg	+ 47.4 in + 1.20 m	+ 4835 in-lb + 55.2 m-kg	133.9 in 3.40 m	13658 in-lb 156.4 m-kg
2 x D130-701-043 (LH & RH installation)	188 lb 85 kg	0.0 in 0.00 m	0 in-lb 0.0 m-kg	133.9 in 3.40 m	25173 m-kg 289.0 m-kg

**PLEASE NOTE:** Modifying the basket per this service instruction does not change any of the operating limitations identified in FMS-D130-701.

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

APPROVED  
  
BY: \_\_\_\_\_  
D. SHEPHERD (DE # 02)

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